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		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	· CONFIRMATION NO.
APPLICATION NO. 09/670,230	FILING DATE	Andrew R. Barron	1789-02202	7227
	09/28/2000			
7590 07/30/2002			EXAMINER	
Marcella D V Conley Rose &	Vatkins & Tavon PC		VO,	HAI
P O Box 3267 Houston, TX 77253-3267			ART UNIT	PAPER NUMBER
Houston, 124	71200		1771	7
			DATE MAILED: 07/30/200	2

Please find below and/or attached an Office communication concerning this application or proceeding.

		AS-		
	Application No.	Applicant(s)		
	09/670,230	BARRON ET AL.		
		Art Unit		
Office Action Summary	Examiner	1771		
The MAILING DATE of this communication ap	Hai Vo	correspondence address		
The MAILING DATE of this communication app	F :-			
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. Edensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above, the maximum statutory period If NO period for reply is specified above, the maximum statutory period If NO period for reply is period and period for reply six of the second period for reply and the second period for reply are communication. Any reply received by the Office latef than three months after the mailing carried plateful term edigisteriner. See 37 CFR 1.704(b).	.136(a). In no event, however, may a reply so ply within the statutory minimum of thirty (30) of will apply and will expire SIX (6) MONTHS fr	days will be considered timely. om the mailing date of this communication.		
atus 1) Responsive to communication(s) filed on				
2all I Inis action is in the	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.			
closed in accordance with the practice and				
ienosition of Claims				
4) Claim(s) 1-81 is/are pending in the application 4a) Of the above claim(s) is/are withd	rawn from consideration.			
4a) Of the above claim(s) is/are without				
5) Claim(s) is/are allowed.				
6) Claim(s) is/are rejected.				
7) Claim(s) is/are objected to.	or election requirement.			
8)⊠ Claim(s) 1-81 are subject to restriction and/	0, 0,000			
Application Papers 9) The specification is objected to by the Exam	niner.			
9) The specification is objected to by the Examo 10) The drawing(s) filed on is/are: a) are reliabled to	ccepted or b) objected to by the	Examiner.		
10)☐ The drawing(s) filed on is/are: a)☐ a Applicant may not request that any objection t	to the drawing(s) be held in abeyand	ce. See 37 CFR 1.85(a).		
	is. a) approved -,	approved by the Examiner.		
If approved, corrected drawings are required	Ill reply to the -			
12) The oath or declaration is objected to by the	e Examiner.			
Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgment is made of a claim for for	oreign priority under 35 U.S.C. §	119(a)-(d) or (t).		
.□ .u .v□ come * c)□ None of:				
	ments have been received.	No		
		oplication No		
 Copies of the certified copies of the application from the Internation 	nal Bureau (PCT Rule 17.2(a)).	received.		
* See the attached detailed Office action for 14) Acknowledgment is made of a claim for do	mestic priority under 35 U.S.C.	§ 119(e) (to a provisional application		
a) The translation of the foreign languar	ge provisional application has be	een received.		
a) ☐ The translation of the foreign langua 15)☐ Acknowledgment is made of a claim for de	omestic priority under 35 U.S.C.	§§ 120 and/or 121.		

10)☐ The drawing(s) filed on _____ is/are: a)☐ Applicant may not request that any objection 11) The proposed drawing correction filed on _ If approved, corrected drawings are required 12) The oath or declaration is objected to by the

Disposition of Claims

Period for Reply

Status

4) Interview Summary (PTO-413) Paper No(s). 5) Notice of Informal Patent Application (PTO-152) 6) Other:

Attachment(s)

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Supplemental Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-34, and 44-51, drawn to a ceramic body, classified in class 501, subclass various.
- Claims 35-38, drawn to a fiber-reinforced material, classified in class 428, subclass 317.9.
- III. Claims 39-43, and 52-63, and 73-81 drawn to a method of controlling the porosity and pore size distribution of a ceramic body without the dipcoating of a fiber, classified in class 264, subclass various.
- IV. Claims 64-72, drawn to a method of controlling the porosity and pore size distribution of a ceramic body with the dip-coating of a fiber, classified in class 427, subclass various.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as mutually exclusive species in an intermediate-final product relationship. Distinctness is proven for claims in this relationship if the intermediate product is useful to make other than the final product (MPEP § 806.04(b), 3rd paragraph), and the species are patentably distinct (MPEP § 806.04(h)). In the instant case, the intermediate product is deemed to be useful as a ceramic membrane filter by itself and the inventions are deemed patentably distinct since there is nothing on this record to show them to be obvious variants. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or

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clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions anticipated by the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Inventions III and IV are related as mutually exclusive species in an intermediate-final product relationship. Distinctness is proven for daims in this relationship if the intermediate product is useful to make other than the final product (MPEP § 806.04(b), 3rd paragraph), and the species are patentably distinct (MPEP § 806.04(h)). In the instant case, the intermediate product is deemed to be useful as a ceramic membrane filter by itself and the inventions are deemed patentably distinct since there is nothing on this record to show them to be obvious variants. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions anticipated by the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Inventions (III, IV) and (I, II) are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the product as claimed can be made by another and materially different process such as one that includes the final step of firing the dried nano-particles at the temperature below 300° C.

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Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Since the restriction mailed on 05/22/02 is improper, the supplemental restriction letter is deemed necessary to modify the method of controlling the porosity and pore size distribution of a ceramic body with/without the dip-coating of a fiber.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai Vo whose telephone number is (703) 605-4426. The examiner can normally be reached on Monday to Friday, 8:30 to 5:00 (EAST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on (703) 308-2414. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

HV July 23, 2002 ELIZABETHM. COLE BRIMARY EXAMINER